Appln. No. 10/551,263 Amd. dated March 8, 2011 Reply to Office Action of December 8, 2010

## Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

Claims 1-5 (Cancelled)

- 6. (Previously Presented) A modified Staphylococcal enterotoxin B (SEB) having a reduced reactivity with a neutralizing antibody to SEB (anti-SEB antibody), wherein the amino acid sequence from residue position 226 to residue position 229 in the amino acid sequence of SEB as shown in SEQ ID NO:1 is Ala Thr Thr Gln.
- 7. (Previously Presented) A modified Staphylococcal enterotoxin B (SEB) having a reduced reactivity with a neutralizing antibody to SEB (anti-SEB antibody), wherein the amino acid sequence from residue position 226 to residue position 229 in the amino acid sequence of SEB as shown in SEQ ID NO:1 is Lys Arg Ile Ile.
- 8. (Previously Presented) A modified Staphylococcal enterotoxin B (SEB) having a reduced reactivity with a neutralizing antibody to SEB (anti-SEB antibody), wherein Asn at

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residue position 23 in the amino acid sequence of SEB as shown in SEQ ID NO: 1 is substituted with Tyr.

## Claims 9-15. (Cancelled)

- 16. (Previously Presented) The modified SEB of claim 6, wherein Asn at residue position 23 in the amino acid sequence of SEB as shown in SEO ID NO: 1 is substituted with Tvr.
- 17. (Previously Presented) The modified SEB of claim 7, wherein Asn at residue position 23 in the amino acid sequence of SEB as shown in SEQ ID NO: 1 is substituted with Tyr.

Claims 18-20 (Cancelled).

21. (Currently Amended) A modified Staphylococcal enterotoxin B (SEB), having a reduced reactivity with a neutralizing antibody to SEB (anti-SEB antibody), and capable of being expressed in a soluble form in Escherichia coli so as to be maintained stably in an aqueous solution and which modified SEB retains a therapeutic effect to <a href="maintained-stable-reduced-sep">retains a therapeutic effect to <a href="maintained-stable-reduced-sep">retained-sep</a> and <

wherein the reactivity with anti-SEB antibody is reduced as a result of amino acid substitution at residue positions 226 to 229 of SEQ ID NO: 1, with the amino acid sequence at residue Appln. No. 10/551,263 Amd. dated September 29, 2010 Reply to Office Action of March 31, 2010

positions 226 to 229 of SEQ ID NO:1 being substituted with Ala Thr Thr Gln, respectively, or substituted with Lys Arg Ile Ile, respectively, and

wherein Asn at  $\,$  residue position 23 of SEQ ID NO:1 is substituted with Tyr.

## Claim 22 (Cancelled)

23. (Withdrawn) In a method for the treatment of rheumatoid arthritis comprising administration to a patient in need thereof an effective amount of a treatment agent, the improvement wherein

 $\label{eq:comprises} \mbox{the treatment agent comprises the modified SEB of claim 21.}$